

Appl No 10/821,582  
Amendment dated January 24, 2008  
Reply to Office Action dated 07-25-07

NEW SHEET

Sheet 2 of 16

*Fields:*

0	1	2	
FieldName	FieldName	FieldName	...

**FIG. 9**

Appl No 10/821,582  
Amendment dated January 24, 2008  
Reply to Office Action dated 07-25-07

NEW SHEET

Sheet 3 of 16

### Node Counter Register (NC)

NodeNum
---------

int

lenNC

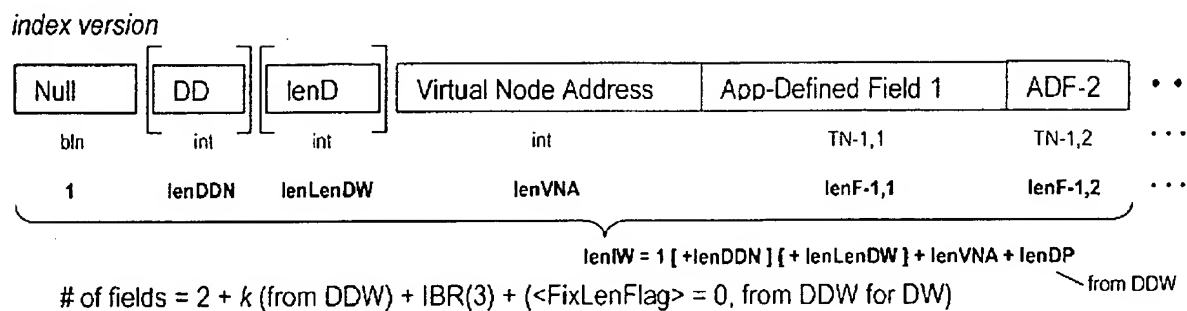
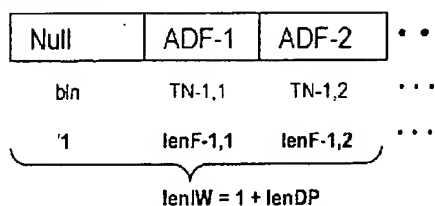
FIG. 10

Appl No 10/821,582  
 Amendment dated January 24, 2008  
 Reply to Office Action dated 07-25-07

NEW SHEET

Sheet 4 of 16

## Index-Word (IW)

*data version*

$\langle \text{Name-}\alpha, \beta \rangle \equiv$  field-  
 parameter  $\beta$  of data-  
 definition packet  $\alpha$ ,  
 $1 \leq \alpha \leq j, 1 \leq \beta \leq k$   
 (see DDW).

# of fields = 1 + k (from DDW)

FIG. 11

Appl No 10/821,582  
Amendment dated January 24, 2008  
Reply to Office Action dated 07-25-07

NEW SHEET

Sheet 5 of 16

### Index-Word Register (IWR)

NodeNu	Index Word
int	mixed
lenNC	lenIW

FIG. 12

Appl No 10/821,582  
 Amendment dated January 24, 2008  
 Reply to Office Action dated 07-25-07

NEW SHEET

Sheet 6 of 16

## Data-Definition Word (DDW) & Register (DDR)

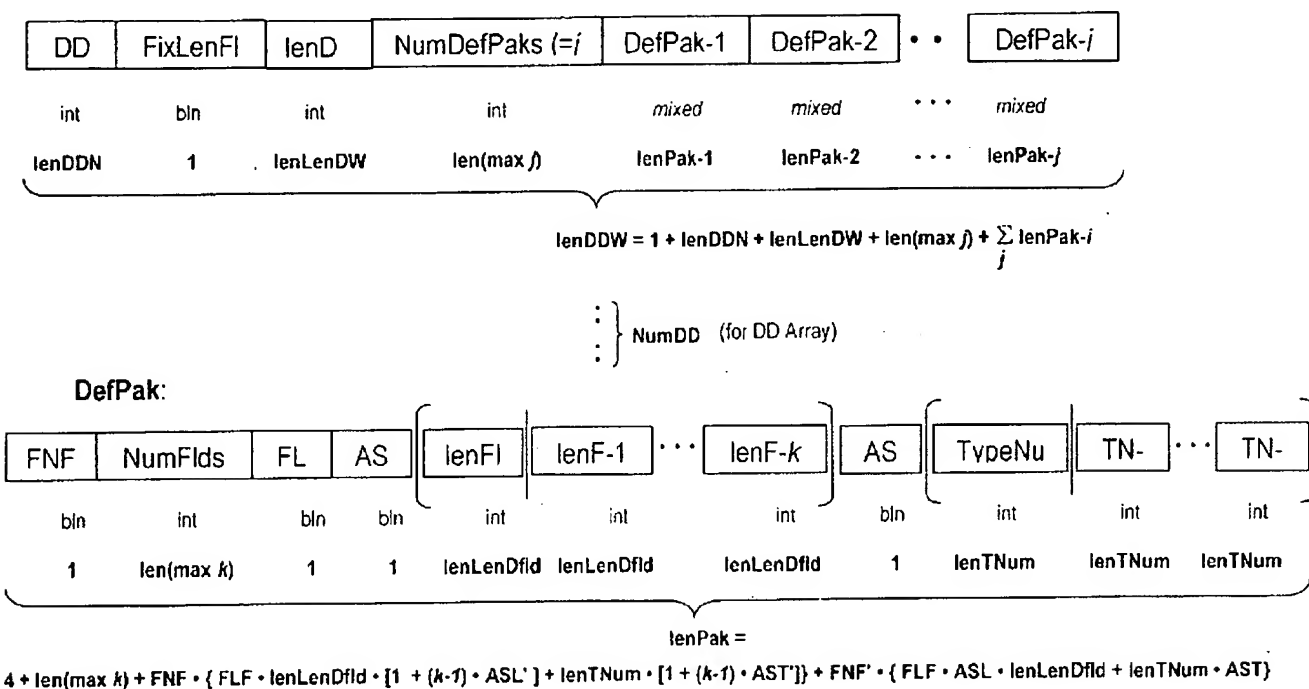


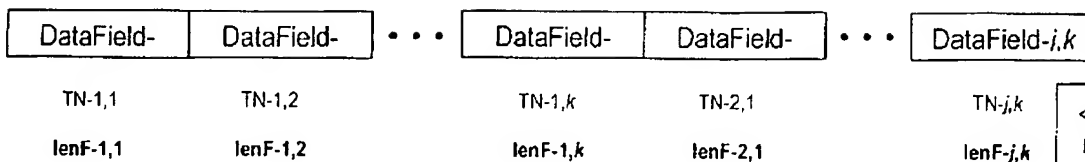
FIG. 13

Appl No 10/821,582  
Amendment dated January 24, 2008  
Reply to Office Action dated 07-25-07

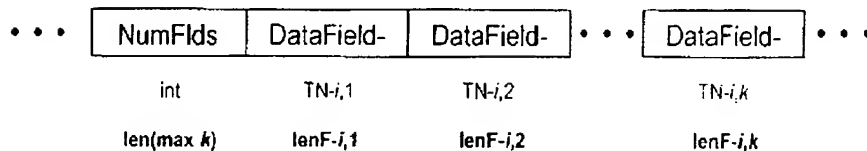
NEW SHEET

Sheet 7 of 16

## Data-Word (DW)

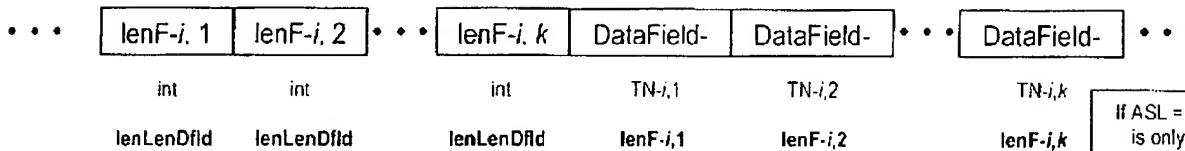
1) *FixLenFlag* 1:

$\langle \text{Name-}\alpha, \beta \rangle \equiv$  field-  
parameter  $\beta$  of data-  
definition (DDW)  
packet  $\alpha$ .  
 $1 \leq \alpha \leq j, 1 \leq \beta \leq k$ .

2) *FNF* 0, *FLF* 1, for some packet  $i$  ( $1 \leq i \leq j$ ):

If ASL = 1, then all  
field lengths are  
lenFld- $i$

If AST = 1, then all  
field types are  
TypeNum- $i$ .

3) *FNF* 1, *FLF* 0 for some packet  $i$ :

If ASL = 1, then there  
is only one length  
field,  $\langle \text{lenFld-}i \rangle$ , and  
all field lengths are  
lenFld- $i$ .

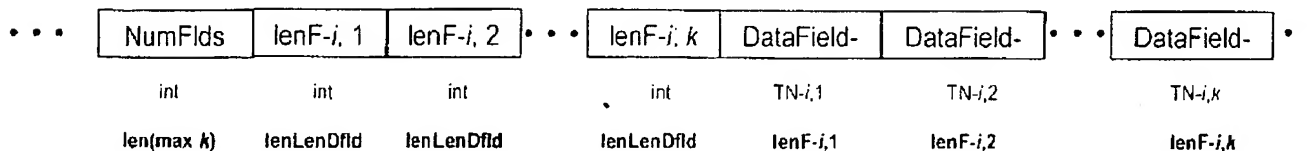
4) *FNF* 0, *FLF* 0 for some packet  $i$ :

FIG. 14

Appl No 10/821,582  
Amendment dated January 24, 2008  
Reply to Office Action dated 07-25-07

NEW SHEET

Sheet 8 of 16

## Data-Word Registers (DWR-P & N)

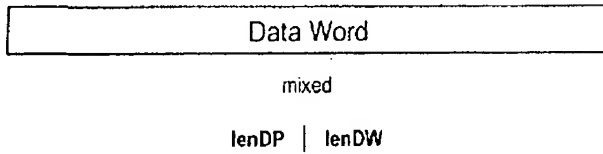


FIG. 15

Appl No 10/821,582  
Amendment dated January 24, 2008  
Reply to Office Action dated 07-25-07

NEW SHEET

Sheet 9 of 16

Number of Nodes Register (NNR)

NumNod

int

lenNC

FIG. 16



Appl No 10/821,582  
Amendment dated January 24, 2008  
Reply to Office Action dated 07-25-07

NEW SHEET

Sheet 10 of 16

# Data-Definition Count Register (DDCR)

NumDD

int

lenDDN

FIG. 17

SENT BY: ;

7204820695;

JAN-28-08 1:50AM;

PAGE 23/30

Appl No 10/821,582  
Amendment dated January 24, 2008  
Reply to Office Action dated 07-25-07

NEW SHEET

Sheet 11 of 16

Node Free Index (NFI)

PAGE 11/11 \* RCVD AT 1/28/2008 3:49:42 AM [Eastern Standard Time] \* SVR:USPTO-EFXRF-6/14 \* DNIS:2738300 \* CSID:7204820695 \* DURATION (mm-ss):02:18

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